

Be-run



RAW SEQUENCE LISTING
 PATENT APPLICATION: US/10/020,541

DATE: 10/30/2002
 TIME: 11:55:45

Input Set : N:\paola\US10020541.raw
 Output Set: N:\CRF4\10302002\J020541.raw

#9/K.T.
 11/21
 B210
 Seq.
 Listing

1 <110> APPLICANT: Larry A. Wheeler
 2 Gerald W. DeVries
 3 <120> TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATMENT
 4 OF OCULAR NEOVASCULARIZATION AND NEURAL INJURY
 5 <130> FILE REFERENCE: 17400(BAR)
 6 <140> CURRENT APPLICATION NUMBER: US/10/020,541
 7 <141> CURRENT FILING DATE: 2001-10-30
 8 <150> PRIOR APPLICATION NUMBER: 60/244,850
 9 <151> PRIOR FILING DATE: 2000-11-01
 10 <160> NUMBER OF SEQ ID NOS: 4
 11 <170> SOFTWARE: FastSEQ for Windows Version 3.0
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 13 <210> SEQ ID NO: 1
 14 <211> LENGTH: 418
 15 <212> TYPE: PR
 16 <213> ORGANISM: Artificial Sequence
 17 <220> FEATURE:
 18 <223> OTHER INFORMATION: Homo sapiens
 19 <400> SEQUENCE: 1
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 21 1 5 10 15
 22 Ser Ser Cys Gln Asn Pro Ala Ser Pro Pro Glu Glu Gly Ser Pro Asp
 23 20 25 30
 24 Pro Asp Ser Thr Gly Ala Leu Val Glu Glu Glu Asp Pro Phe Phe Lys
 25 35 40 45
 26 Val Pro Val Asn Lys Leu Ala Ala Ala Val Ser Asn Phe Gly Tyr Asp
 27 50 55 60
 28 Leu Tyr Arg Val Arg Ser Ser Met Ser Pro Thr Thr Asn Val Leu Leu
 29 65 70 75 80
 30 Ser Pro Leu Ser Val Ala Thr Ala Leu Ser Ala Leu Ser Leu Gly Ala
 31 85 90 95
 32 Asp Glu Arg Thr Glu Ser Ile Ile His Arg Ala Leu Tyr Tyr Asp Leu
 33 100 105 110
 34 Ile Ser Ser Pro Asp Ile His Gly Thr Tyr Lys Glu Leu Asp Thr
 35 115 120 125
 36 Val Thr Ala Pro Gln Lys Asn Leu Lys Ser Ala Ser Arg Ile Val Phe
 37 130 135 140
 38 Glu Lys Lys Leu Arg Ile Lys Ser Ser Phe Val Ala Pro Leu Glu Lys
 39 145 150 155 160
 40 Ser Tyr Gly Thr Arg Pro Arg Val Leu Thr Gly Asn Pro Arg Leu Asp
 41 165 170 175
 42 Leu Gln Glu Ile Asn Asn Trp Val Gln Ala Gln Met Lys Gly Lys Leu
 43 180 185 190
 44 Ala Arg Ser Thr Lys Glu Ile Pro Asp Glu Ile Ser Ile Leu Leu Leu

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TECH CENTER 1600/2900

RAW SEQUENCE LISTING

DATE: 10/30/2002

PATENT APPLICATION: US/10/020,541

TIME: 11:55:46

Input Set : N:\paola\US10020541.raw

Output Set: N:\CRF4\10302002\J020541.raw

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45          195          200          205
46      Gly Val Ala His Phe Lys Gly Gln Trp Val Thr Lys Phe Asp Ser Arg
47          210          215          220
48      Lys Thr Ser Leu Glu Asp Phe Tyr Leu Asp Glu Arg Thr Val Arg
49          225          230          235
50      Val Pro Met Met Ser Asp Pro Lys Ala Val Leu Arg Tyr Gly Leu Asp
51          245          250          255
52      Ser Asp Leu Ser Cys Lys Ile Ala Gln Leu Pro Leu Thr Gly Ser Met
53          260          265          270
54      Ser Ile Ile Phe Phe Leu Pro Leu Lys Val Thr Gln Asn Leu Thr Leu
55          275          280          285
56      Ile Glu Glu Ser Leu Thr Ser Glu Phe Ile His Asp Ile Asp Arg Glu
57          290          295          300
58      Leu Lys Thr Val Gln Ala Val Leu Thr Val Pro Lys Leu Lys Leu Ser
59          305          310          315
60      Tyr Glu Gly Glu Val Thr Lys Ser Leu Gln Glu Met Lys Leu Gln Ser
61          325          330          335
62      Leu Phe Asp Ser Pro Asp Phe Ser Lys Ile Thr Gly Lys Pro Ile Lys
63          340          345          350
64      Leu Thr Gln Val Glu His Arg Ala Gly Phe Glu Trp Asn Glu Asp Gly
65          355          360          365
66      Ala Gly Thr Thr Pro Ser Pro Gly Leu Gln Pro Ala His Leu Thr Phe
67          370          375          380
68      Pro Leu Asp Tyr His Leu Asn Gln Pro Phe Ile Phe Val Leu Arg Asp
69          385          390          395
70      Thr Asp Thr Gly Ala Leu Leu Phe Ile Gly Lys Ile Leu Asp Pro Arg
71          405          410          415
72      Gly Pro
74 <210> SEQ ID NO: 2
75 <211> LENGTH: 168
76 <212> TYPE: PRT
77 <213> ORGANISM: Artificial Sequence
78 <220> FEATURE:
79 <223> OTHER INFORMATION: Homo sapiens
80 <400> SEQUENCE: 2
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82          1          5          10          15
83      Phe Leu Ala Phe Ile Phe Ile Leu Ala Ala Val Asp Thr Ala Glu Ala
84          20          25          30
85      Gly Lys Lys Glu Lys Pro Glu Lys Lys Val Lys Lys Ser Asp Cys Gly
86          35          40          45
87      Glu Trp Gln Trp Ser Val Cys Val Pro Thr Ser Gly Asp Cys Gly Leu
88          50          55          60
89      Gly Thr Arg Glu Gly Thr Arg Thr Gly Ala Glu Cys Lys Gln Thr Met
90          65          70          75          80
91      Lys Thr Gln Arg Cys Lys Ile Pro Cys Asn Trp Lys Lys Gln Phe Gly
92          85          90          95
93      Ala Glu Cys Lys Tyr Gln Phe Gln Ala Trp Gly Glu Cys Asp Leu Asn
94          100          105          110

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95	Thr Ala Leu Lys Thr Arg Thr Gly Ser Leu Lys Arg Ala Leu His Asn	
96	115 120 125	
97	Ala Glu Cys Gln Lys Thr Val Thr Ile Ser Lys Pro Cys Gly Lys Leu	
98	130 135 140	
99	Thr Lys Pro Lys Pro Gln Ala Glu Ser Lys Lys Lys Lys Lys Glu Gly	
100	145 150 155 160	
101	Lys Lys Gln Glu Lys Met Leu Asp	
102	155	

104 <210> SEQ ID NO: 3

105 <211> LENGTH: 200

106 <212> TYPE: PRT

107 <213> ORGANISM: Artificial Sequence

108 <220> FEATURE:

109 <223> OTHER INFORMATION: Homo sapiens

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110 <400> SEQUENCE: 3
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111	Met	Ala	Phe	Thr	Glu	His	Ser	Pro	Leu	Thr	Pro	His	Arg	Arg	Asp	Leu
112	1				5					10					15	
113	Cys	Ser	Arg	Ser	Ile	Trp	Leu	Ala	Arg	Lys	Ile	Arg	Ser	Asp	Leu	Thr
114				20					25					30		
115	Ala	Leu	Thr	Glu	Ser	Tyr	Val	Lys	His	Gln	Gly	Leu	Asn	Lys	Asn	Ile
116		35					40					45				
117	Asn	Leu	Asp	Ser	Ala	Asp	Gly	Met	Pro	Val	Ala	Ser	Thr	Asp	Gln	Trp
118	50					55					60					
119	Ser	Glu	Leu	Thr	Glu	Ala	Glu	Arg	Leu	Gln	Glu	Asn	Leu	Gln	Ala	Tyr
120	65				70					75					80	
121	Arg	Thr	Phe	His	Val	Leu	Leu	Ala	Arg	Leu	Leu	Glu	Asp	Gln	Gln	Val
122				85					90					95		
123	His	Phe	Thr	Pro	Thr	Glu	Gly	Asp	Phe	His	Gln	Ala	Ile	His	Thr	Leu
124				100					105					110		
125	Leu	Leu	Gln	Val	Ala	Ala	Phe	Ala	Tyr	Gln	Ile	Glu	Glu	Leu	Met	Ile
126		115						120				125				
127	Leu	Leu	Glu	Tyr	Lys	Ile	Pro	Arg	Asn	Glu	Ala	Asp	Gly	Met	Pro	Ile
128		130					135					140				
129	Asn	Val	Gly	Asp	Gly	Gly	Leu	Phe	Glu	Lys	Lys	Leu	Trp	Gly	Leu	Lys
130		145				150					155					160
131	Val	Leu	Gln	Glu	Leu	Ser	Gln	Trp	Thr	Val	Arg	Ser	Ile	His	Asp	Leu
132				165						170					175	
133	Arg	Phe	Ile	Ser	Ser	His	Gln	Thr	Gly	Ile	Pro	Ala	Arg	Gly	Ser	His
134				180					185					190		
135	Tyr	Ile	Ala	Asn	Asn	Lys	Lys	Met								
136			195					200								

138 <210> SEO ID NO: 4

139 <211> LENGTH: 247

140 <212> TYPE: PRT

141 <213> ORGANISM: Artificial Sequence

142 <220> FEATURE:

143 <223> OTHER INFORMATION: Homo sapien

144 <400> SEQUENCE: 4

145 Met Thr Ile Leu Phe Leu Thr Met Val Ile Ser Tyr Phe Gly Cys Met

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```

146      1      5      10      15
147      Lys Ala Ala Pro Met Lys Glu Ala Asn Ile Arg Gly Gln Gly Gly Leu
148      20      25      30
149      Ala Tyr Pro Gly Val Arg Thr His Gly Thr Leu Glu Ser Val Asn Gly
150      35      40      45
151      Pro Lys Ala Gly Ser Arg Gly Leu Thr Ser Leu Ala Asp Thr Phe Glu
152      50      55      60
153      His Met Ile Glu Glu Leu Leu Asp Glu Asp Gln Lys Val Arg Pro Asn
154      65      70      75      80
155      Glu Glu Asn Asn Lys Asp Ala Asp Leu Tyr Thr Ser Arg Val Met Leu
156      85      90      95
157      Ser Ser Gln Val Pro Leu Glu Pro Pro Leu Leu Phe Leu Leu Glu Glu
158      100      105      110
159      Tyr Lys Asn Tyr Leu Asp Ala Ala Asn Met Ser Met Arg Val Arg Arg
160      115      120      125
161      His Ser Asp Pro Ala Arg Arg Gly Glu Leu Ser Val Cys Asp Ser Ile
162      130      135      140
163      Ser Glu Trp Val Thr Ala Ala Asp Lys Lys Thr Ala Val Asp Met Ser
164      145      150      155      160
165      Gly Gly Thr Val Thr Val Leu Glu Lys Val Pro Val Ser Lys Gly Gln
166      165      170      175
167      Leu Lys Gln Tyr Phe Tyr Glu Thr Lys Cys Asn Pro Met Gly Tyr Thr
168      180      185      190
169      Lys Glu Gly Cys Arg Gly Ile Asp Lys Arg His Trp Asn Ser Gln Cys
170      195      200      205
171      Arg Thr Thr Gln Ser Tyr Val Arg Ala Leu Thr Met Asp Ser Lys Lys
172      210      215      220
173      Arg Ile Gly Trp Arg Phe Ile Arg Ile Asp Thr Ser Cys Val Cys Thr
174      225      230      235      240
175      Leu Thr Ile Lys Arg Gly Arg
176      245

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/020,541

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Input Set : N:\paola\US10020541.raw

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